Notebook, N-12-03-16

9
10 etc

Merit Co 5989

Rome Co.,
MFG. STATIONERS,
69 FULTON STREET,
NEW YORK.
45009

B1 12½ Tubes not placed 6117-
End Book

1410 Reg	7800 7802	5556 5557	
Reg Li – 21K 4 Li gone 1 OA. run 3 times + change to 21K 2 Li	7256 7257	5558 5559	1267 1267
Dep 5558 21K 4 Li run 3 times change to 21K 2 Li		5560 5561	1260 1277
Dep 5558 21K 5 Li run 3 times then change to 21K 2 Li		5562 5563	1293 1283
Dep 5558 21K 6 Li OA run 3 times then Change to 21K 2 Li		5564 5565	1327 1287
Dep 5558 21K 4 Li run 3 times Chain Change to 21K 2 Li		5566 5567	1313 1297
Dep 5558 21K Saturated Li soak until they are ready to go on Change then Change solutions + test in 21K 2 Li go okay put on Change		5568 5569	1280 1253

1303 317	1313 1306	500 533			
1360 1330	1370 1347	647 570	1417 1400	1440 1440	683 630
1367 1333	1377 1347	500 520	1447 1447	1483 1447	740 713
1387 1370	1400 1387	633 627	1443 1443	1483 1467	790 740
1380 1367	1420 1383	680 717	1420 1420	1447 1443	760 787
1383 1333	1417 1353	763 707	1443 1377	1467 1443	843 717
1363 1367	1383 1373	673 673	1453 1450	1477 1467	827 833

Lower Chase

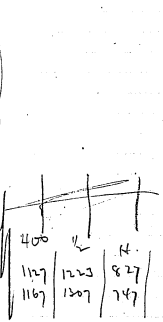
5555	1457	1490	710	1443	1507	600		1390	1500	790	1373	1507	763
5559	1447	1483	717	1440	1510	593		1340	1470	767	1283	1437	760
5560	1463	1510	793	1417	1507	637		1283	1460	773	1233	1387	720
5561	1457	1493	813	1420	1510	653		1370	1483	783	1280	1443	1443
5562	1477	1560	883	1353	1500	751		1233	1390	820	1150	1293	737
5563	1460	1507	810	1443	1553	710		1327	1487	780	1287	1450	737
5564	1417	1567	817	1457	1583	760		1313	1490	763	1333	1487	760
5565	1483	1583	893	1507	1587	823		1413	1533	830	1297	1480	813
5566	1510	1580	957	1547	1613	853		1400	1540	800	1323	1463	897
5567	1440	1483	903	1450	1553	807		1380	1493	810	1430	1530	813
5568	1467	1523	783	1453	1587	803		1323	1483	713			
5569	1453	1510	717	1467	1570	823		1343	1487	790			

250

300

Next time run 6 runs instead of 7 to end

5558	1090	1223	743
5559	1167	1307	733
5560	1110	1300	757
5561	1173	1350	757
5562	1057	1227	773
5563	1182	1347	667
5564	1190	1320	820 S
5565	1083	1323	820 S
5566	1197	1327	780
5567	1200	1333	737
	500		
5568	907	1000	507
5569	927	1013	670



450	½	#	500		900	Lwr. Lvl.		
1047	1187	953	1120	1243	1120	1287		
1057	1247	867	1083	1310	715	1083	1267	

Calibration 621 M.OH 12% Bismuth 21K 7 Li after running 4 times and Change 5mC to 21K 1 1/2 OH		5570 5571	1423 1437		1660 1653	1743 1717	830 770	1667 1663	1823 1823	1053 1053
Dup 5570 21K 7 Li after running 4 times Change to 21K 1 1/2 OH		5572 5573	1463 1463		1657 1620	1717 1773	597 597	1717 1710	1830 1780	1080 1080
Lot #56 Hecke 24. 4.3 -	7550 7467	5574 5575	1174 1180		1287 1277	1300 1287	557 524			
1411 Req	7680 7749	5576 5577	1173 1143		1233 1233	1233 1247	443 440			
1412 Req	7818 7823	5578 5579	1210 1200		1250 1267	1293 1280	527 523			
1413 Req	7760 7753	5580 5581	1147 1187		1243 1240	1253 1253	437 520			
1414 Req	7774 7775	5582 5583	1143 1193		1257 1260	1267 1277	517 513			
1415 Req Check pulsecode Lamp	7851 7826	5584 5585	1147 1143		1240 1247	1257 1253	433 510			

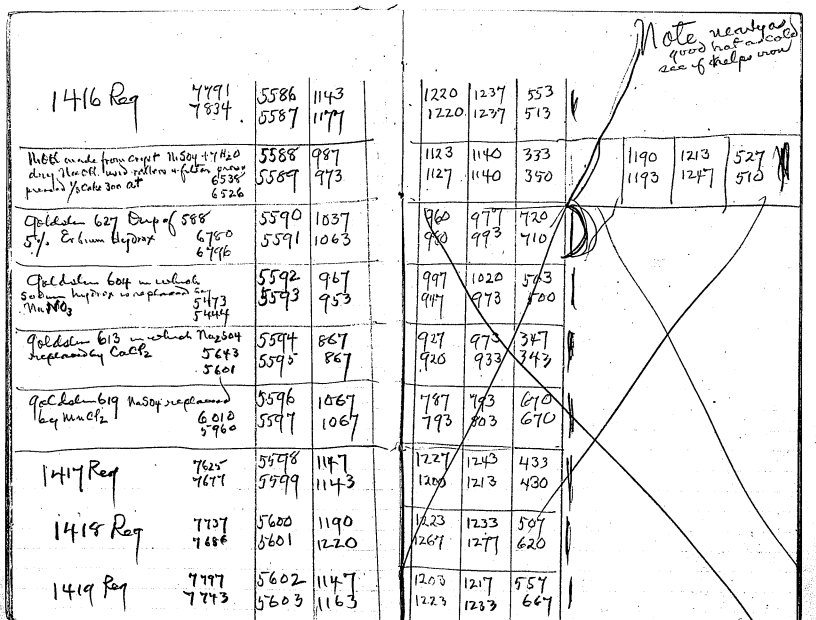
5570	1583	1653	1210	1563	1760	1163
5571	1587	1640	1193	167	1797	1097
		5 Error				
5572	1690	1730	1143	1667	1760	1150
5573	1693	1707	1277	1717	1793	1157

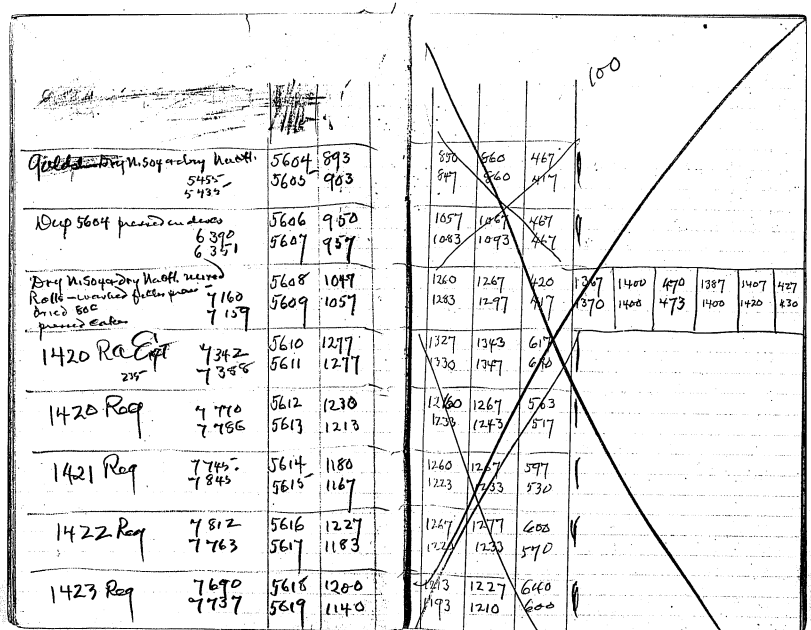
300 1/2 14

1433	1540	1123	1571	1653	1050
1557	1633	1140	1593	1683	1100
1633	1733	1157	1657	1730	1247
1657	1800	1183	1560	1653	1290

bound ½ year Cap
bread no enclosure

5570	1523	1630	1100
5571	1533	1660	893
5572	1500	1613	1117
5573	1434	1560	1234

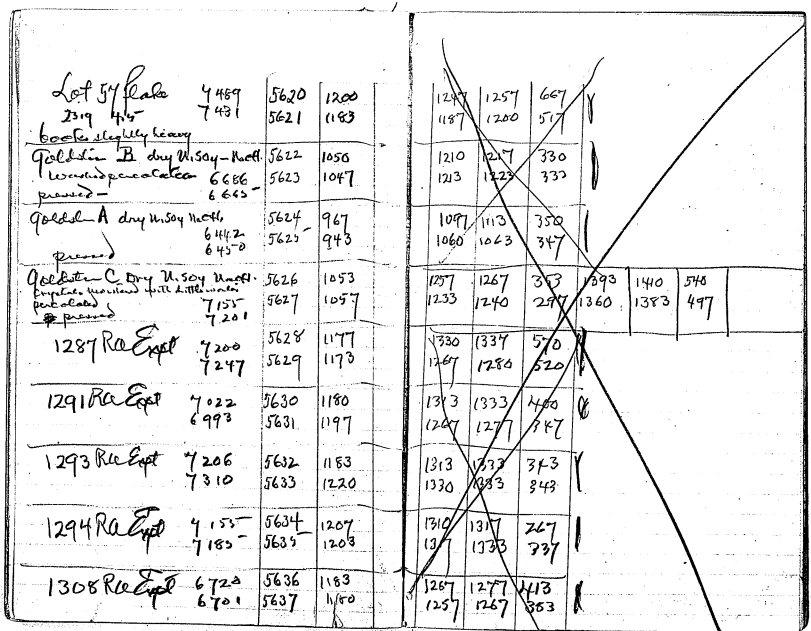

1416 Reg
7491
7834
5586
5587
1143
1179
1220
1220
1237
1237
553
513
Note nearly as good not as close as the rows
1414 Reg
7625
7677
5598
5599
1147
1143
1227
1209
1243
1213
433
430
1415 Reg
7737
7686
5600
5601
1190
1220
1223
1267
1233
1271
507
620
1419 Reg
7797
7773
5602
5603
1147
1163
1208
1223
1217
1233
557
667


Dry N. Soy + dry N. Soy + dry N. Soy +

	150			200			250			300	1/2	rt
										6Rm		
5608	1393	1440	617	1323	1393	627	1323	1413	723	1250	1343	657
5609	1400	1433	572	1360	1383	587	1313	1397	723	1246	1340	663

	400	½	M	450	½	GT
5608	1157	1310	663	1193	1367	823
5609	1147	1293	693	1047	1213	817

500	½	M,	550			600		
1047	1290	713	943	1110	683	843	1020	677
980	1180	713	957	1103	680	877	1030	623

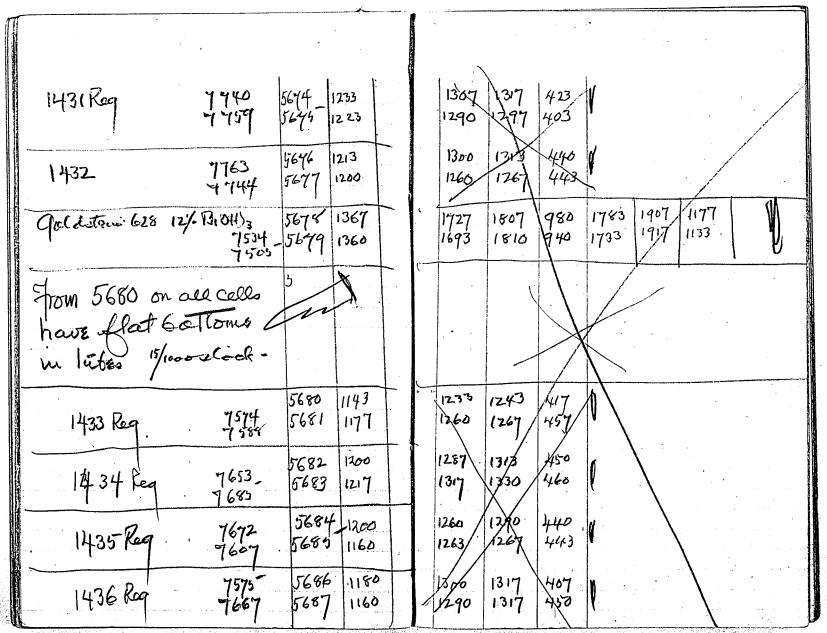

Lot 54 Flake 4469 5620 1200
7481 5621 1183
Goldstein B dry M.Soy-Kauff 5622 1056
Goldstein A dry M.Soy Kauff 5624 967
6442 5625 943
6450
Goldstein C dry M.Soy Kauff 5626 1053
7155 5627 1057
7201
1287 Re Expt 7200 5628 1177
7247 5629 1173
1291 Re Expt 7022 5630 1180
6993 5631 1197
1293 Re Expt 7206 5632 1183
7310 5633 1220
1294 Re Expt 7155 5634 1207
7185 5635 1208
1308 Re Expt 6720 5636 1183
6701 5637 1150
1247 1257 667
1187 1200 517
1210 1217 330
1213 1223 333
1097 1113 350
1060 1063 347
1257 1267 353
1233 1240 297
1330 1337 570
1267 1280 520
1313 1333 440
1247 1277 387
1313 1333 343
1330 1333 343
1310 1317 267
1267 1277 1413
1257 1267 353
1393 1440 548
1360 1383 497

	150			200		
5626	1380	1410	707	1380	1427	583
5627	1417	1443	377	1350	1367	463

Ra 1309 Expt	6932	5638	1130	1280	1300	363
	7007	5639	1140	1280	1290	353
Ra 1314 Expt	6900	5640	1190	1280	1290	393
	6868	5641	1177	1230	1247	317
Ra 1317 Expt	7403	5642	1240	1327	1333	480
	7397	5643	1230	1323	1330	497
Ra 1318 Expt	7442	5644	1250	1330	1340	437
	7400	5645	1250	1327	1330	443
Ra 1320 Expt	7541	5646	1233	1360	1380	440
	7532	5647	1230	1360	1377	450
Ra 1321 Expt	7590	5648	1213	1363	1380	427
	7569	5649	1200	1363	1370	320
Ra 1322 Ex	7446	5650	1127	1357	1370	407
	7413	5651	1120	1340	1353	350
Ra 1323 Ex	7405	5652	1143	1340	1370	347
	7383	5653	1143	1333	1340	204
Ra 1324 Ex	6773	5654	1143	1273	1284	317
	6776	5655	1160	1270	1283	347

Dup of 5410 by def — cut	7191	5656	1213
	7159	5657	1240
1424 Reg	7994	5658	1183
	7909	5659	1171
1425 Reg	7795	5660	1170
	7786	5661	1190
1426 Reg	7895	5662	1170
	7897	5663	1157
1427 Reg	7677	5664	1207
	7680	5665	1220
1428 Reg	7715	5666	1200
	7640	5667	1220
1429 Reg	7805	5668	1210
	7795	5669	1210
1430 Reg	7634	5670	1210
	7745	5671	1213
Lot 58 23.7 3.7	7438	5672	1257
Bradley County Tax Book	7370	5673	1250

1270	1287	420
1317	1340	427
1243	1253	387
1297	1310	420
1273	1283	393
1260	1270	323
1260	1267	367
1287	1293	433
1317	1327	413
1297	1307	390
1310	1320	393
1310	1320	410
1303	1313	367
1280	1290	338
1323	1333	410
1267	1277	423
1330	1343	443
1333	1347	427

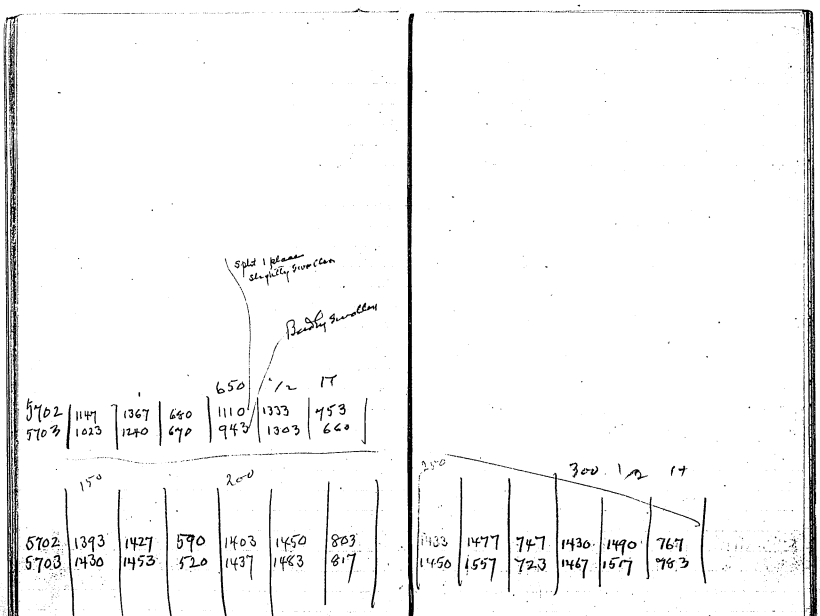

1431 Req
7740
7759
5674
5675
1233
1223
1432
7763
7747
5676
5677
1213
1200
Gel dilution 628 12% $Pb(OH)_3$
7534
7505
5678
5679
1367
1360
From 5680 on all cells have flat bottoms in lieu 15/1000 clock -
1433 Req
7574
7588
5680
5681
1143
1177
1434 Req
7653
7683
5682
5683
1200
1217
1435 Req
7672
7607
5684
5685
1200
1160
1436 Req
7575
7667
5686
5687
1180
1160
1307
1290
1317
1297
423
403
1300
1260
1313
1267
440
443
1727
1693
1807
1810
980
940
1783
1793
1907
1917
1177
1133
1235
1260
1243
1267
417
457
1287
1317
1313
1330
450
460
1260
1263
1290
1267
440
443
1300
1290
1317
1317
407
450

5678	1727	1880	1117	1623	1810	1130
5679	1643	1821	1003	1597	1830	1143

1493	1630	1290	1373	1453	1133
1400	1547	1190	1380	1490	1147

1437 Req	7451 7451	5688 5689	1193 1193
1438 Req	7515 7461	5690 5691	1167 1217
1439 Req	7506 7470	5692 5693	1200 1187
1440 Req	7517 7424	5694 5695	1200 1197
1441 Req	7630 7620	5696 5697	1177 1193
RQ 1256 - Ex	7626 7553	5698 5699	1187 1200
1442 Req	7645 7595	5700 5701	1180 1170
Golden Bantam 30 x 95 - Dry In Sat dry Matt, Rolls, dried in steam Cupb 80-85 Cent. Ground 1/8 diam 300 at	7869 7869	5702 5703	1200 1228

1260 1263	1290 1283	423 410				
1283 1300	1287 1317	450 447				
1300 1317	1317 1330	447 480				
1297 1263	1323 1283	440 423				
1250 1263	1263 1303	393 430				
1263 1290	1300 1300	400 457				
1263 1250	1267 1257	457 400				
1363 1343	1323 1357	300 387	1377 1423	1393 1443	470 473	


split 1 phase
simplify snowflake
Bentley snowflake
650
1/2
1T
5702 1147 1367 680 1110 1333 753
5703 1023 1240 670 943 1303 660
150
200
5702 1393 1427 590 1403 1450 803
5703 1430 1453 520 1437 1483 817
250
300 1/2 1T
1433 1477 747 1430 1490 767
1450 1557 723 1467 1517 783

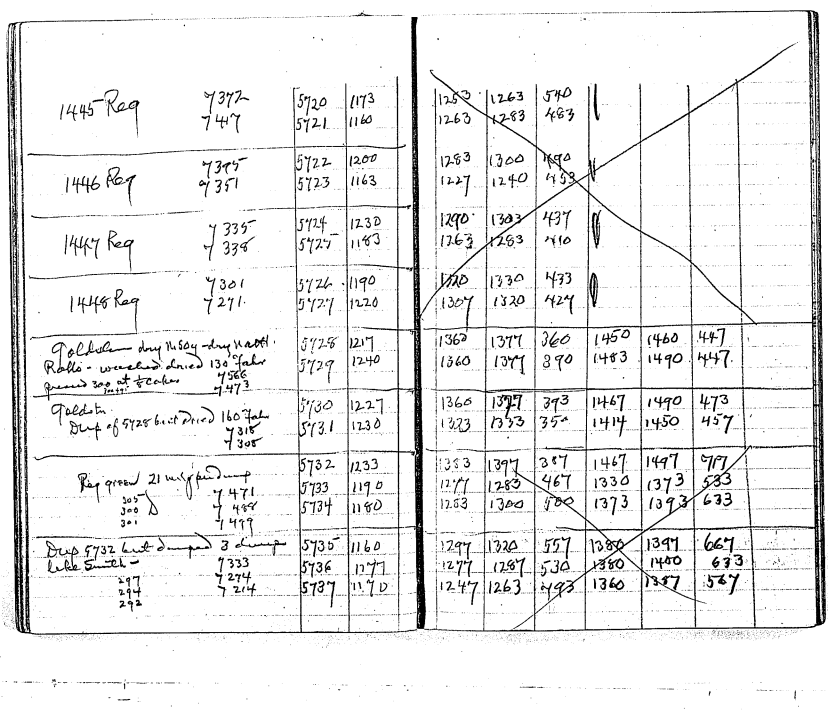
	760	5 Swallow split 2 places		
5702	560	1113	613	
5703	753	533	560	

	950			400			
5702	1330	1437	693	1347	1493	713	
5707	1460	1530	697	1497	1597	810	

				580			580		
5702	1460	1430	693	1347	1533	787	1220	1497	727
5707	1400	1477	758	1333	1570	743	1197	1417	673

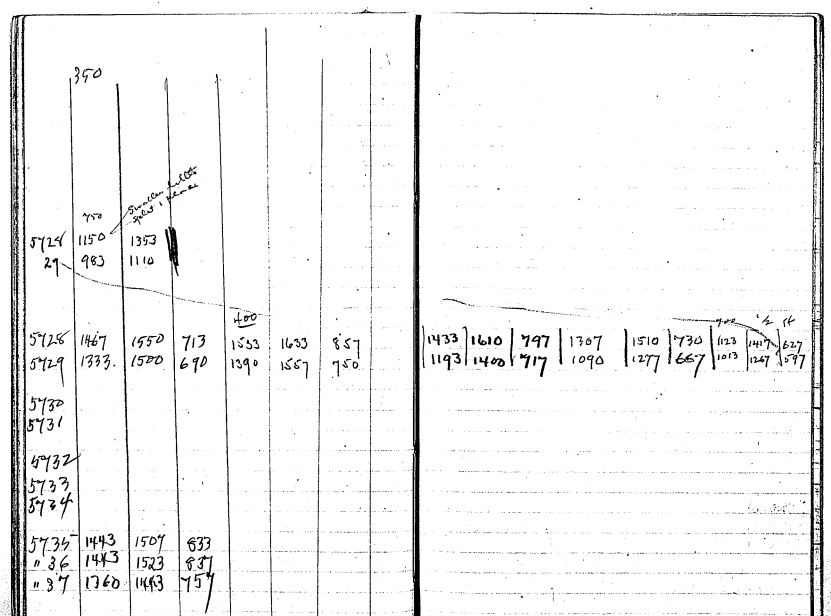
1421 Expt.	7237	5704	1233	1323	1330	507	
	7296	5705	1197	1257	1303	463	
1422 Expt	7059	5706	1227	1347	1360	560	
	6976	5707	1197	1300	1327	543	
1423 Expt	7140	5708	1260	1327	1330	467	
	7110	5709	1243	1367	1383	520	
1424 Expt	7037	5710	1243	1333	1360	470	
	7121	5711	1237	1320	1330	420	
1425 Expt -	7168	5712	1274	1367	1383	473	
	7215	5713	1267	1333	1760	460	
1443 Reg	7515	5714	1150	1213	1230	447	
	7457	5715	1157	1217	1230	437	
1444 - Reg	7485	5716	1217	1257	1267	427	
	7537	5717	1197	1224	1240	460	
59 flake	7253	5718	1197	1247	1257	457	
	7181	5719	1197	1200	1210	413	

23.7 4.1



	150		200			
5728	1443	1467	460	1447	1490	790
5729	1483	1527	447	1483	1530	787
5730	1457	1503	433	1437	1483	700
5731	1430	1467	417	1397	1453	633
5732	1517	1590	697	1490	1547	823
5733	1350	1390	560	1333	1373	660
5734	1423	1467	643	1370	1447	697
5735	1467	1517	667	1443	1493	737
5736	1443	1483	627	1427	1477	677
5737	1370	1420	573	1340	1440	653

	250			300			
	1457	1500	975	1480	1540	793	
	1427	1520	710	1400	1510	753	
				Dried 132			
	1350	1440	600	1273	1397	643	
	1253	1367	523	1193	1323	554	Malt
					Dried 160		80 or 160
	1350	1443	717	1257	1293	663	
	1247	1327	567	1200	1240	557	
	1327	1400	660	1240	1297	653	
	1380	1447	713	1397	1460	770	
	1373	1457	757	1423	1477	820	
	1273	1367	697	1333	1400	813	


350
5724
29
5726
5729
5730
5731
5732
5733
5734
5736
" 36
" 37
1150
1383
983
1110
1467
1550
713
1333.
1500
690
1443
1507
633
1443
1523
857
1760
1443
754
1400
1553
1633
857
1390
1567
750
1433
1610
797
1307
1510
730
1123
1417
627
1193
1400
717
1090
1277
667
1013
1247
597

				50	½	H	100	½	H
Drop 5732 bait 23 mile/green		5738	1193	1263	1277	453	1360	1380	573
277	7437	5739	1200	1307	1320	490	1380	1390	550
278	7479	5740	1193	1300	1320	460	1360	1390	567
276	7423								
Drop 5738		5741	1150	1250	1263	457	1327	1360	580
Except 3 dump Lake Smith		5742	1163	1267	1284	447	1323	1333	560
268	7174	5743	1213	1277	1293	420	1333	1373	533
270	7129								
269	7214								
25.1 green dump		5744	1213	1307	1320	457	1333	1380	500
254	7418	5745	1213	1280	1293	433	1360	1323	480
251	7395	5746	1197	1260	1280	460	1330	1353	533
249	7378								
Drop 5744		5747	1167	1250	1260	493	1333	1367	563
Except 3 dump Lake Smith		5748	1180	1280	1297	463	1330	1366	547
245	7129	5749	1171	1293	1287	533	1367	1393	587
246	7130								
244	7160								
		5750	1197	1320	1327	450	1407	1450	500
24 mile/Emerald	7386	5751	1200	1300	1307	493	1383	1400	563
235	7308	5752	1217	1323	1333	490	1397	1417	563
238	7330								
237									
Drop 5750		5753	1163	1280	1293	557	1360	1383	610
Except 3 dump Mountain/Lake Smith		5754	1163	1253	1267	503	1327	1393	573
233	7106	5755	1163	1253	1267	470	1297	1323	523
236	7127								
234	7160								
28.7 green	7271	5756	6208	1323	1330	483	1357	1363	460
223	7283	5757	1200	1327	1340	557	1363	1397	513
224	7288	5758	1202	1350	1360	543	1363	1397	512

5738	1347	1423	567	1320	1397	637
5739	1370	1437	590	1327	1407	627
5740	1373	1433	593	1343	1407	623
5741	1350	1397	617	1350	1423	657
5742	1350	1410	580	1290	1380	610
5743	1360	1413	617	1307	1373	557
5744	1330	1387	540	1273	1343	570
5745	1313	1363	510	1227	1287	493
5746	1353	1423	557	1240	1300	477
5747	1453	1550	630	1360	1433	607
5748	1373	1433	610	1343	1397	623
5749	1477	1487	657	1413	1463	747
5750	1460	1500	623	1350	1407	530
5751	1447	1493	633	1363	1440	627
5752	1427	1483	613	1320	1407	623
5753	1417	1450	597	1353	1417	663
5754	1387	1440	600	1350	1420	710
5755	1317	1367	470	1253	1360	683
5756	1303	1373	487	1213	1297	587
5757	1333	1427	553	1267	1393	737
5758	1363	1423	580	1323	1413	747

200

1257	1357	700	1347	1423	833	
1267	1390	720	1250	1353	513	
1243	1337	703	1280	1380	887	
1280	1387	773	1297	1390	900	
1203	1320	720	1250	1347	816	
1213	1307	647	1217	1320	787	
1183	1277	640	1197	1300	737	
1150	1250	583	1160	1263	637	
1143	1230	597	1133	1217	613	
1293	1390	740	1307	1410	750	
1277	1357	753	1233	1353	750	
1383	1450	837	1397	1463	827	
			300			
1407	1443	863	1273	1383	553	
1423	1473	800	1327	1440	640	
1360	1423	913	1303	1423	690	
1393	1433	740	1397	1457	726	
1377	1427	727	1383	1453	730	
1277	1347	650	1200	1323	653	
1173	1240	547	1110	1243	607	
1303	1413	703	1217	1370	750	
1300	1377	823	1277	1480	717	

	340		
5735	1327	1437	730
39	1333	1429	727
40	1333	1450	727
5741	1303	1427	723
42	1213	1353	693
43	1180	1303	670
5744	1177	1267	777
45	1140	1260	703
46	1160	1257	720
5747	1257	1383	813
48	1247	1360	807
49	1430	1503	914
5750	1253	1370	773
51	1230	1390	743
52	1157	1300	733
5753	1283	1413	737
54	1257	1380	743
55	1180	1290	733
56	1027	1133	593
57	1093	1220	690
58	1140	1293	700

Dup 5756 –		5759	1133	1300	1310	600	1330	1347	507
3 clumps to lamp	7043	5760	1157	1300	1313	613	1323	1333	467
220	7000	5761	1157	1293	1303	600	1323	1333	467
219	7017								
221									
31 July grass		5762	1163	1307	1317	567	1293	1327	443
203 –	7200	5763	1177	1323	1330	533	1297	1317	457
207	7160	5764	1157	1323	1330	497	1287	1287	400
207	7168								
Dup 5762		5765 –	1133	1253	1267	533	1317	1353	623
3 clumps Lola Smith	6937 –	5766	1133	1267	1283	536	1327	1343	590
201	6975	5767	1133	1267	1277	477	1357	1377	737
201	7016								
204									
		5768	1167	1290	1340	693	1377	1390	780
33 July	7165 –	5769	1147	1287	1297	610	1343	1360	657
194	7165 –	5770	1167	1283	1293	583	1390	1410	690
193	7167								
197									
Dup 5768		5771	1133	1267	1277	553	1327	1347	576
3 clumps Lola Smith	6985 –	5772	1133	1267	1280	513	1377	1397	653
191	6913	5773	1133	1247	1263	470	1360	1380	647
189	6980								
197									
	7330	5774 –	1223	1383	1387	483			
1449 Rag	7336	5775	1217	1314	1347	537			
	7369	5776	1243	1340	1343	660			
1454 Rag	7303 –	5777	1240	1327	1343	663			

Average of all - 21 mile to 33 w/o for rail dump 1293 up
4 to Smith dump 1325
200 200 Return

5759	1353	1413	587	1310	1387	697
5760	1343	1427	573	1233	1460	657
5761	1373	1437	607	1283	1397	647
5762	1310	1371	583	1207	1307	573
5763	1367	1377	583	1187	1280	603
5764	1271	1347	547	1157	1240	537
5765	1317	1373	603	1240	1353	590
5766	1327	1367	337	1300	1387	623
5767	1380	1427	657	1393	1467	743
5768	1383	1438	637	1283	1403	720
5769	1330	1387	547	1260	1340	733
5770	1353	1423	457	1306	1402	763
5771	1247	1297	367	1233	1317	723
5772	1357	1397	667	1293	1367	723
5773	1313	1383	650	1243	1350	717
5774						
5775						
5776						
5777						

average loading wt of all cars
7325 average of 3 dump 7090

1283	1373	670	1297	1397	673	
1233	1340	653	1133	1307	650	
1267	1377	677	1210	1350	713	
1193	1297	613	1190	1330	730	
1073	1223	647	1053	1183	717	
1100	1200	603	1077	1213	730	
1200	1350	687	1160	1340	820	
1107	1177	623	1313	1413	743	
1373	1450	703	1243	1417	847	
1277	1383	683	1183	1327	763	
1257	1323	643	1163	1287	700	
1267	1283	667	1243	1377	763	
1147	1257	583	1133	1253	707	
1253	1353	660	1253	1370	790	
1237	1343	693	1267	1397	780	

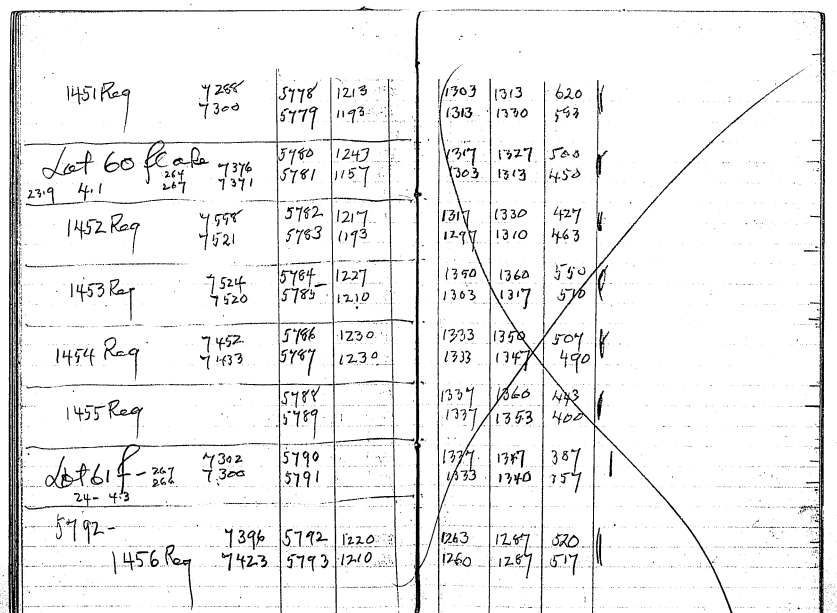
5759	1160	1213	710
60	1020	1190	693
61	1107	1283	743
5762	997	1127	677
63	943	1180	707
64	963	1117	683
5765	1047	1223	763
66	1157	1227	730
67	1180	1370	767
5768	993	1180	677
69	950	1113	620
70	997	1187	700
5771	980	1110	620
2	1133	1307	707
3	1077	1297	730
5774			
75			
5776			
77			

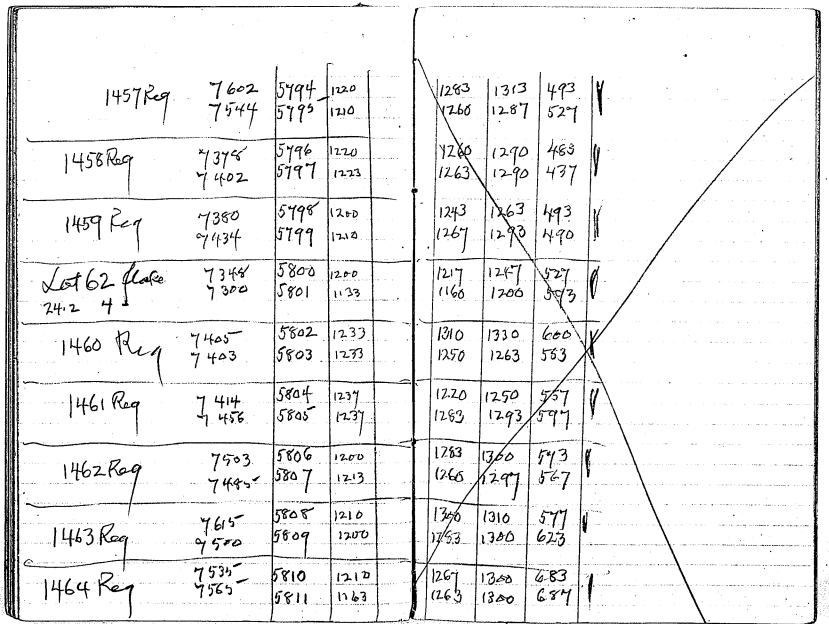
600

973	997	650			
1230	1397	767			
1043	1257	683			

450

890	1080	660	843	1037	683
1100	1280	797	907	1060	750
907	1110	754	753	867	677


1451 Req
7288
7300
5778
5779
1213
1193
1303 1313 620
1313 1330 593
Lot 60 Peake
2319 4.1
264
267
7376
7371
5780
5781
1243
1157
1317 1327 580
1303 1313 450
1452 Req
7498
7521
5782
5783
1217
1173
1317 1330 427
1297 1310 463
1453 Req
7524
7520
5784
5785
1227
1210
1350 1360 550
1303 1317 570
1454 Req
7452
7433
5786
5787
1230
1230
1333 1350 504
1333 1347 490
1455 Req
5788
5789
1337 1360 443
1337 1353 400
Lot 61
24-43
267
262
7302
7300
5790
5791
1337 1347 387
1333 1340 754
5792-
1456 Req
7396
7423
5792
5793
1220
1210
1263 1287 520
1260 1284 517


1457 Reg
7602
7544
5794
5795
1220
1210
1283
1260
1313
1287
493
527
1458 Reg
7375
7402
5796
5797
1220
1223
1260
1263
1290
1290
483
437
1459 Reg
7380
7434
5798
5799
1200
1210
1243
1267
1263
1293
493
490
Lot 62 Blake
242 4
7348
7300
5800
5801
1200
1133
1217
1160
1257
1200
527
503
1460 Reg
7405
7403
5802
5803
1233
1233
1310
1250
1330
1263
600
583
1461 Reg
7414
7456
5804
5805
1237
1237
1220
1263
1250
1293
567
597
1462 Reg
7503
7445
5806
5807
1200
1213
1283
1265
1360
1297
573
567
1463 Reg
7615
7500
5808
5809
1210
1200
1340
1283
1310
1300
577
623
1464 Reg
7535
7565
5810
5811
1217
1163
1267
1263
1280
1300
683
684

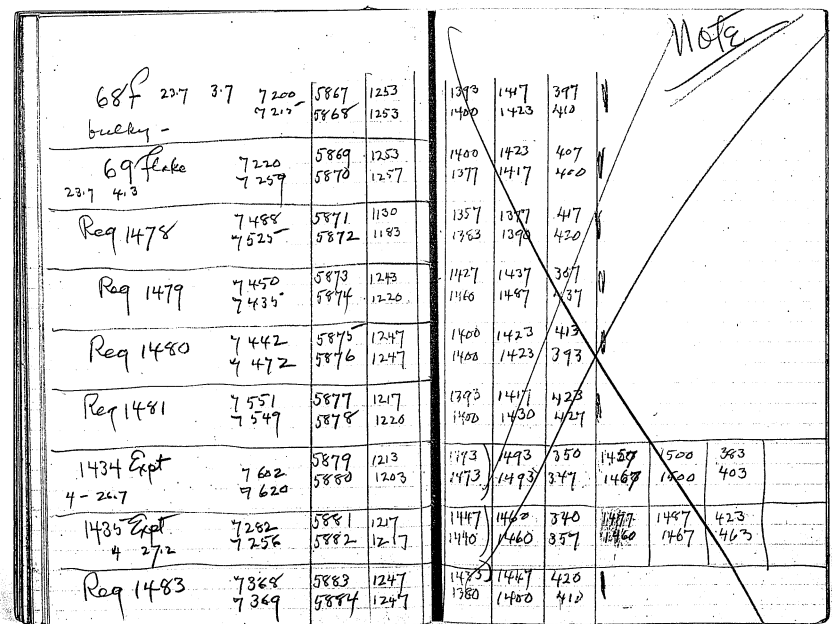
1465 Reg	7485 7415	5812 5813	1200 1200	1283 1280	1300 1297	630 590				
1466 Reg	7564 7492	5814 5815	1250 1217	1287 1257	1327 1323	570 513				
Oplosm 821 12½% Bismuth Run 3 Lines conn in 21K 3 runs diff. then change to plasm 21K no Li	7605 7630 7604	5816 5817 5818	1317 1363 1340	1473 1580 1547	1477 1587 1553	603 690 680	1437 1467 1478	1467 1477 1453	490 480 517	
Dep 5816 Run 3 Lines 21K 4 Li then change to plasm 21K	7630 7620 7664	5819 5820 5821	1367 1343 1343	1540 1527 1487	1543 1537 1493	660 646 617	1450 1450 1393	1527 1490 1440	543 547 507	
Dep 5816 But 3 Lines in 21K 6 Li change to plasm 21K		5822 5823 5824	1367 1340 1373	1467 1477 1520	1520 1487 1530	637 643 647	1413 1493 1433	1450 1500 1450	570 603 527	
Dep 5816 - Run in 21K 6 Li 3 lines then Empty and solution input plasm 21K sonkance input then Empty out input in 21K no Li		5825 5826 5827	1387 1353 1360	1453 1430 1457	1460 1437 1463	517 497 497	1360 1390 1423	1373 1413 1443	513 503 520	
Lot 63 flake Z4-4 1467 Reg	7303 7238 7423 7383	5828 5829 5830 5831	1227 1207 1210 (1200)	1313 1287 1293 1257	1330 1303 1300 1267	473 503 517 597				

5816	1370	1473	540				
5817	1480	1500	550				
5818	1373	1483	513				
5819	1447	1507	517				
5820	1460	1480	563				
5821	1477	1510	493				
5822	1370	1487	543				
5823	1467	1490	560				
5824	1373	1403	510				
5825	1383	1500	513	1230	1250	487	
5826	1417	1487	503	1263	1283	477	
5827	1420	1450	573	1280	1300	507	
5828							
5829							

64 flake 24.2 4.5	7310 7302	5832 5833	1190 1193	1277 1247	1287 1340	397 427	
65f 24. 4.5	7307 7307	5834 5835	1187 1217	1293 1313	1307 1327	417 420	
66f 24 4.3	7307 7366	5836 5837	1183 1210	1280 1280	1300 1287	440 427	
Req 1468	7412 7422	5838 5839	1180 1187	1247 1280	1257 1287	417 453	
Req 1469	7393 7350	5840 5841	1217 1180	1280 1257	1293 1270	407 407	
Req 1470	7370 7383	5842 5843	1183 1197	1260 1287	1263 1300	383 383	
Req 1471	7337 7318	5844 5845	1177 1140	1263 1283	1270 1297	387 390	
Req 1472	7408 7409	5846 5847	1227 1233	1313 1300	1327 1317	443 413	
Req 1473	7274 7308	5848 5849	1187 1190	1267 1260	1283 1267	430 423	

Req 1474	7281 7270	5850 5851	1187 1190	1253 1250	1260 1260	400 413					
Req 1475	7235 7245	5852 5853	1133 1133	1253 1250	1260 1260	400 413					
Req 1476	7452 7468	5854 5855	1233 1227	1330 1303	1347 1320	413 443					
Req 1477	7449 7463	5856 5857	1190 1193	1283 1293	1300 1307	440 477					
Reqm (1256) 27-4- Rem 3 Cwns dump 24 gpm clean 4 ft + lamp put - Cwns 7/2 Lilley Cogwell	6985 8476	5858 5859	1190 1197	1260 1320	1283 1330	680 443	1267 1320	1303 1367	493 750		
Qeldalam 621 12¼ B1, 27-4- Rem 3 Cwns 21K2 4 in 1/2 Colin Cwns	7585 7577	5860 5861	1293 1267	1687 1607	1747 1730	850 920	1480 1377	1887 1877	760 710		
Qeldalam 621 12 5/8 Rimmell 4.27 Sanded 24 thaw Cwns 2 dumps pumped out pumping put on 21K2 21-	7558	5862 5863	1330 1310	1637 1543	1600 1587	920 1067	1583 1587	1773 1643	1077 980		
thawings 16 21K2 4 lamps up on 24	7580 7621	5864	1313	1547	1560	1077	1543	1587	1170		
67 flasks - 24.46		5865 5866	1177 1173	1263 1303	1300 1320	550 597					

5855	1287	1320	633			
5859	1317	1350	577			
5860	1720	1788	—			
5861	1700	1740	—			
5862	1520	1683	1050	1457	1720	1187
5863	1530	1583	1027	1500	1690	1207
5864	1497	1540	1033	1400	1627	1247



68f 23.7 3.7	7200	5867	1253	1393	1447	397				
bucky -	7215	5868	1253	1400	1423	410				
69 flake	7220	5869	1253	1400	1423	407				
23.7 4.3	7259	5870	1257	1377	1417	400				
Reg 1478	7488	5871	1130	1357	1387	417				
	7525	5872	1183	1363	1393	430				
Reg 1479	7450	5873	1243	1427	1437	397				
	7435	5874	1220	1446	1487	437				
Reg 1480	7442	5875	1247	1400	1423	413				
	7472	5876	1247	1408	1423	393				
Reg 1481	7551	5877	1217	1393	1417	423				
	7549	5878	1226	1400	1430	427				
1434 Expt	7602	5879	1213	1473	1493	350	1450	1500	383	
4-26.7	7620	5880	1203	1473	1493	347	1467	1500	403	
1435 Expt	7282	5881	1217	1447	1460	340	1477	1487	423	
4 27.2	7258	5882	1217	1440	1460	357	1460	1467	463	
Reg 1483	7368	5883	1247	1473	1447	420				
	7369	5884	1247	1380	1400	410				

5879	1443	1463	1423	1410	1460	547
5880	1460	1450	1430	1450	1490	583
5881	1463	1483	1420	1450	1483	577
5882	1440	1457	893	1457	1483	620

1357	1373	683	1190	1253	697	
1450	1477	690	1257	1327	770	
1457	1477	690	1283	1353	777	
1430	1490	687	1300	1363	790	

Req 1484	7296 7285	5885 5886	1247 1247
Req 1485	7350 7397	5887 5888	1250 1250
Req 1486	7470 7428	5889 5890	1250 1197
70f		5891 5892	1250 1263
Req 1482	7405 7397	5893 5894	1167 1177
Req 1487	7370 7380	5895 5896	1263 1257
Req 1488	7485 7460	5897 5898	1207 1197
Req 1489	7553 7516	5899 5900	1170 1167

1400 1390	1430 1400	420 423
1360 1373	1380 1387	460 453
1357 1333	1373 1353	473 500
1417 1400	1433 1413	597 573
1333 1326	1350 1353	447 610
1377 1393	1400 1433	653 727
1377 1357	1387 1373	667 682
1357 1343	1373 1320	700 713

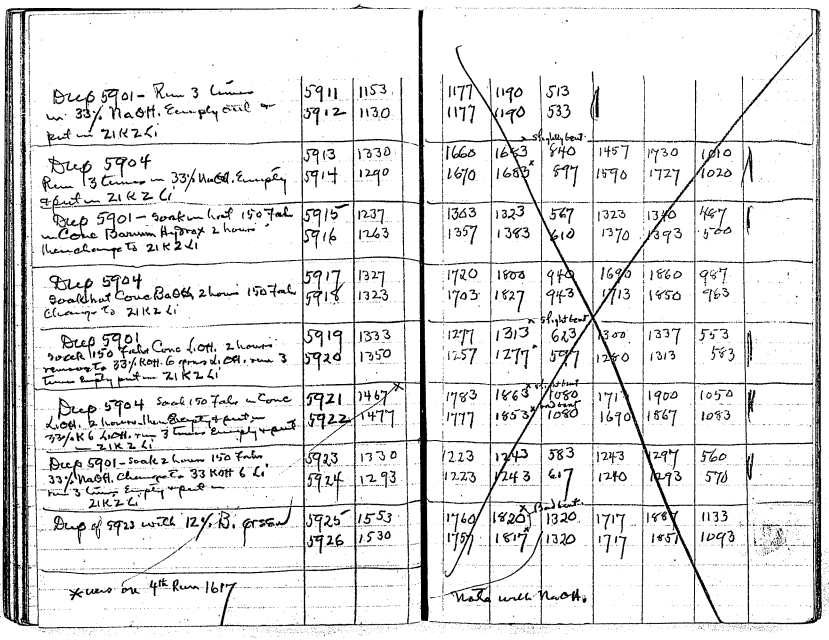
				50	1/2	#	100	1/2	#
Long Tubes-Hadley Smith	9			1833	1846	629	1938	1971	675
	10			1838	1850	727	1883	1917	700
	11			1858	1875	917	1975	2060	721
	12			1825	1833	750	1946	1971	763
	13			1800	1808	650	1917	1971	704
	14			1860	1808	625	1938	1975	679
	15			1854	1867	704	2025	2050	725
	16			1825	1833	583	1983	2033	633
Reg 311 - 41/2-4 - 2418 stock in bot Solution 3 hours at about 130 Fah 21K Saturated Soln. with Excess of Crystals; change after Speaking 3 hours to 21K 6 oz Soln, many put in at 2:00 - 3 Runs Then change salts to 21K 24 + Run Reg Hot	5901	1297		1387	1397	627	1347	1427	773
	5902	1283		1347	1363	583	1387	1413	733
	5903	1300		1383	1397	623	1407	1440	807
Dup 5901 Except 621 12/1/1. Bisque	5904	1427		1733	1873	930	1597	1853	1077
7 505	5905	1423		1690	1870	943	1543	1867	1003
7 543	5906	1393		1883	1873	890	1573	1880	1043
7 543									
Dup 5901 - Except run w 33 KOH. 3 tubes Empty + put in 21K 24 Run Reg	5907	1180		1280	1310	447	1533	1343	517
	5908	1187		1313	1327	497	1340	1377	533
Dup 5904 Run reg 3 runs w 33 KOH Empty + put in 21K 24	5909	1443		1787 x	1849	900	1710	1890	1087
	5910	1493		1780 x	1883	947	1657	1883	1007

Very bad bent

	150			200		
9	1958	1996	583	1863	1963	908
10	1938	1963	623	1833	1942	925
11	1954	2000	633	1908	2017	967
12	1942	1967	640	1863	1983	917
13	1942	1971	650	1888	1983	888
14	1925	1950	617	1942	1950	842
15	2000	2033	647	1888	2025	892
16	1958	1996	667	1833	1963	871
5909	1630	1847	1093	Burst		
5910	1600	1823	1083	Burst xplan		

	250			300		
1771	1883	1040	1625	1779	913	
1779	1879	1045	1654	1867	821	
1863	1971	1120	1696	1996	885	
1821	1933	1040	1708	1913	842	
1896	1958	1060	1829	1975	896	
1854	1929	990	1746	1921	900	
1863	1967	995	1771	1946	925	
1829	1950	985	1750	1950	942	

		350		
9	1542	1696	908	
10	1617	1828	913	
11	1492	1721	1029	
12	1467	1762	979	
13	1721	1867	1058	
14	1592	1779	1017	
15	1558	1767	1042	
16	1575	1829	1013	



Dscp 5901 – Rum 3 times w 33% NaOH. Empty cell & put in 21K2Li
5911 1153
5912 1130
1177 1190 513
1177 1190 533

Dscp 5904
Rum 3 times w 33% NaOH. Empty & put in 21K2Li
5913 1330
5914 1290
1660 1653 640 1457 1730 1010
1670 1685 597 1590 1727 1020

Dscp 5901 – soak w/w/ 150 Tab w Conc Boron Hydroxy 2 hours then change to 21K2Li
5915 1237
5916 1263
1363 1323 567 1323 1340 467
1357 1383 610 1370 1393 560

Dscp 5904
Soak/shut Conc NaOH 2 hours 150 Tab
Change to 21K2Li
5917 1327
5918 1323
1720 1808 940 1690 1860 987
1703 1827 943 1713 1850 963

Dscp 5901
Soak 150 Tab Conc NaOH 2 hours
remove to 33% KOH. 6 grns Li, OH, rum 3 times empty put in 21K2Li
5919 1333
5920 1350
1277 1313 623 1300 1337 553
1257 1279 597 1260 1313 583

Dscp 5904 Soak 150 Tab w Conc NaOH. 2 hours then empty & put in 33% K6 NaOH. rum 3 times empty & put in 21K2Li
5921 1467
5922 1477
1783 1863 1080 1715 1900 1050
1777 1853 1080 1690 1867 1083

Dscp 5901 – Soak 2 hours 150 Tab 33% NaOH. Change to 33 KOH 6 Li rum 3 times empty & put in 21K2Li
5923 1330
5924 1293
1223 1243 583 1243 1297 560
1223 1243 617 1240 1293 570

Dscp of 5923 with 12% B. grain
5925 1553
5926 1530
1740 1820 1320 1717 1887 1133
1787 1817 1320 1717 1857 1093

Made with NaOH.

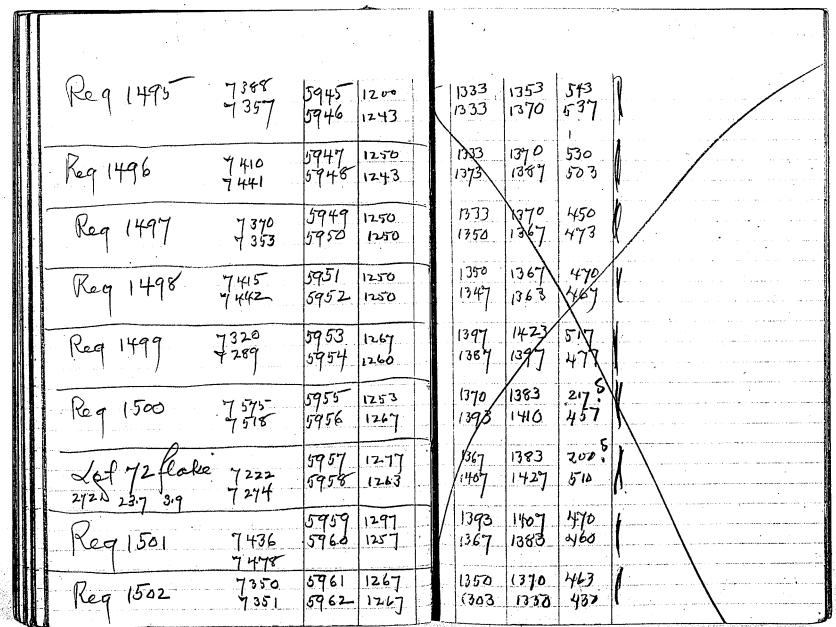
*rum on 4th Rum 1617

5917	1600	1510	1067	Bent burnt 1 place
5918	1550	1673	1070	Burnt 1 "
5925	1633	1787	960	Bad bent burnt 11
5926	1603	1758	1177	Burnt 1 place

Dup 5901 Except run 3 times on 21K 6 Li + 3 gms Chlorate K		5927 5928	1330 1330		1333 1380	1360 1390	690 723	1380 1397	1440 1433	620 617	
Dup of 5927 but Burrell 12%		5929 5930	1467 1443		1743 1723	1821 1640	1023 850	1660 1543	1880 1690	1040 1023	
Dup 5901 - Run 3 times on 21K 6 Li + 3 perchlorate K		5931 5932	1267 1293		1373 1333	1367 1357	790 800	1400 1380	1433 1417	667 660	
Dup of 5931 But Burrell 12%		5933 5934			1287 1290	1310 1313	703 657	1300 1250	1330 1277	580 577	
Req 1490	7536 7547	5935 5936	1227 1227		1360 1357	1383 1380	520 503				
Req 1491	7494 7509	5937 5938	1267 1227		1393 1363	1407 1383	550 583				
Req 1492	7535 7470	5939 5940	1207 1223		1393 1383	1407 1400	523 503				
Req 1493	7495 7436	5941 5942	1283 1277		1393 1388	1407 1393	467 450				
Req 1494	7375 7325	5943 5944	1183 1227		1367 1350	1383 1367	500 524				

Make low for Bi — KClO4

5927	1370	1430	690	N
5928	1383	1433	633	
5931	1383	1443	647	
5932	1373	1427	650	

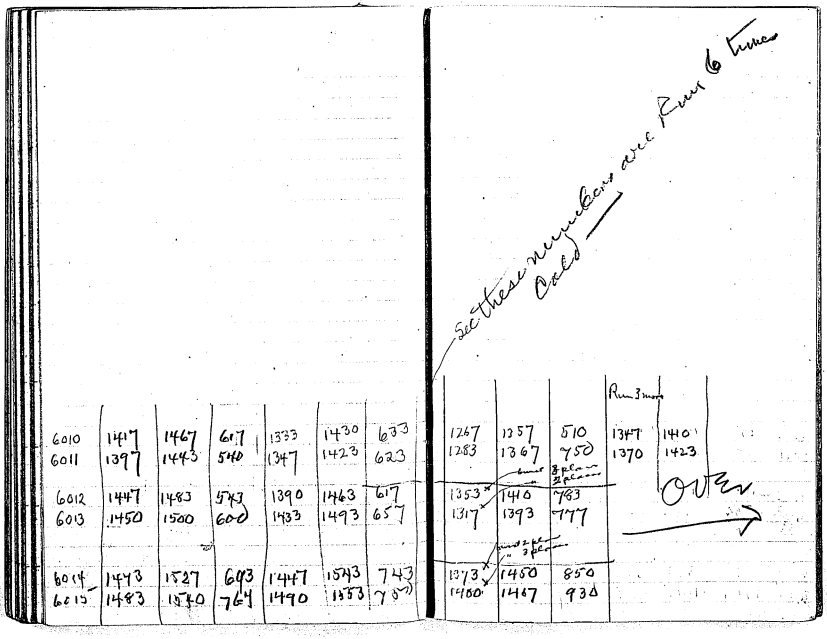


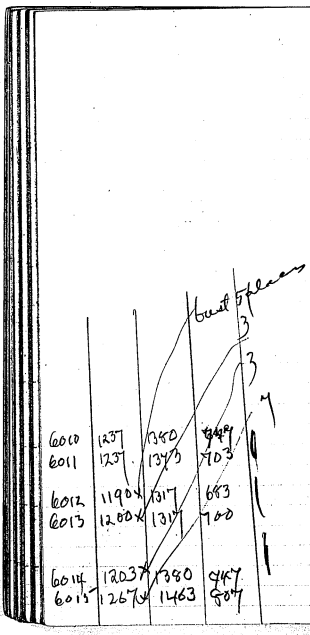
Req 1495	7388	5945	1200	1333	1353	543	
	7357	5946	1243	1333	1370	537	
Req 1496	7410	5947	1250	1333	1370	530	
	7441	5948	1243	1373	1387	503	
Req 1497	7370	5949	1250	1333	1370	450	
	7353	5950	1250	1350	1367	473	
Req 1498	7415	5951	1250	1350	1367	470	
	7442	5952	1250	1347	1363	467	
Req 1499	7320	5953	1267	1397	1423	517	
	7289	5954	1260	1384	1397	477	
Req 1500	7575	5955	1253	1370	1383	217.5	
	7518	5956	1267	1393	1410	457	
Lot 72 flake	7222	5957	1277	1367	1383	200.5	
272N 23.7 3.9	7244	5958	1263	1407	1427	510	
Req 1501	7436	5959	1297	1393	1407	470	
	7478	5960	1257	1367	1388	460	
Req 1502	7350	5961	1267	1350	1370	463	
	7351	5962	1267	1303	1338	437	

Req 1503	7393	5963	1263	1370	1357	450	
	7408	5964	1230	1333	1360	480	
Req 1504	7394	5965	1263	1360	1377	467	
	7376	5966	1257	1287	1327	457	
Req 1505	7288	5967	1260	1367	1383	524	
	7280	5968	1267	1367	1383	564	
Req 1506	7442	5969	1233	1333	1357	583	
	7436	5970	1233	1347	1357	570	
Req 1507	7453	5971	1260	1373	1387	543	
	7438	5972	1233	1353	1367	563	
Req 1508	7570	5973	1233	1297	1347	527	
	7534	5974	1200	1290	1320	543	
Req 1509	7466	5975	1283	1333	1360	530	
	7405	5976	1263	1293	1317	533	
Req 1510	7500	5977	1200	1427	1447	460	
	7497	5978	1247	1417	1447	373	
Req 1511	7282	5979	1223	1417	1437	483	
	7215	5980	1200	1360	1390	460	

Lot 43 f 269 N 23.5 3.9	7253 7280	5981 5982	1233 1250	1400 1400	1423 1423	577 640	
Reg 1512	7340 7350	5983 5984	1200 1200	1353 1333	1390 1390	577 640	
Reg 1513	7370 7329	5985 5986	1200 1183	1390 1357	1423 1393	610 553	
Lot 44 f 269 N 23.7 4.	7123 7170	5987 5988	1217 1217	1370 1400	1400 1423	590 593	
Lot 74 f - 2nd sample. 268 N 23.7 4.3	7231 7200	5989 5990	1193 1193	1360 1343	1390 1387	600 607	
Lot 75 f 268 N 23.7 4.5	7265 7262	5991 5992	1193 1193	1347 1357	1390 1393	517 560	
Reg 1514	7294 7241	5993 5994	1133 1133	1297 1293	1333 1323	410 404	
Reg 1515	7331 7345	5995 5996	1200 1247	1357 1390	1393 1433	390 448	
Reg 1516	7303 7272	5997 5998	1200 1193	1333 1393	1390 1433	443 493	

Req 1517	7243 7212	5999 6000	1253 1247	1350 1333	1387 1393	517 557			
Req 1518	7276 7287	6001 6002	1200 1200	1297 1293	1313 1300	430 470			
Req 1519	7318 7370	6003 6004	1240 1240	1283 1317	1300 1330	457 470			
2K3 Linden, 200 Hordeb 2 Zeyl, Lgm Nott, Twice — 21K2 Li		6005	800	890	907	693	883	903	
Req 1520	7351 7361	6006 6007	1153 1143	1280 1260	1293 1280	340 400			
Lot 76F 24.4.3 quite Somelimes	7345 7325	6008 6009	1213 1190	1290 1300	1297 1310	400 480			
Dep 5003-4A. 27.4.4- 21K2L. 27.N	7200 7153	6010 6011	1293 1317	1393 1368	1400 1377	443 407	1413 1400	1453 1433	497 477
Dep 5005-6- 27.N 27-4- 21K2L	7663 7633	6012 6013	1320 1313	1377 1393	1393 1410	390 400	1450 1470	1467 1460	497 490
Dep 5005-6 — Plus 3 Lines in 21K2 gm Lgt. Chess Empty in this reg in 21K2L		6014 6015	1350 1390	1397 1423	1443 1437	423 463	1467 1500	1497 1537	550 590


See these numbers were Run 6 times
Added
Run 3 times
3 pcs
2 pcs
3 pcs
OVER


burst flakes
3
3
6010 123 1350 949
6011 123 1343 703
6012 1190 1317 683
6013 1200 1317 700
6014 1203 1380 945
6015 1267 1463 804

Gabbatoir 634 — Wards Cattoid 24 D 27.1.4	7333 7242	6016 6017	1120 1117
Tube 1699 — old tube in fgm cant keff too long & used - drawing out to make wi - 5.840 Dup 1701 5820		6018 6019	~~467~~ 477
1521 Req 26 —	7350 7305	6020 6021	1187 1190
Req 1522	7346 7328	6022 6023	1220 1193
Req 1523	7446 7464	6024 6025	1230 1197
Req 1524 —	7504 7502	6026 6027	1227 1203
Req 1525 —	7470 7466	6028 6029	1243 1230
Req 1526 —	7460 7418	6030 6031	1180 1183

1787 1317	1313 1338	370 357	1397 1407	1413 1430	507 500
490	503	437			
503	533	473			
1290 1260	1317 1298	373 397			
1333 1317	1347 1357	407 403			
1317 1323	1357 1333	403 393			
1323 1317	1330 1357	373 363			
1330 1373	1353 1317	347 396			
1250 1290	1280 1317	298 440			

6016	1400	1440	660	1427	1473	637
6017	1420	1453	680	1450	1490	697

1380	1427	817	1363	1453	707
1380	1430	930	1310	1440	693

6016	350 1253	1390	700	400 1270	1480	770	split 1 place
6017	1190	1357	703	1150	1333	738	

1103	1359	690	1213	1397	617		split in one place; split 1 place
1058	1238	757	1063	1243	593		

Req 1527	7372 7342	6032 6033	1167 1170	1257 1280	1293 1293	383 423				
Req 1528	7322 7300	6034 6035	1210 1197	1257 1257	1287 1287	433 433				
Req 1530	7388 7369	6036 6037	1193 1180	1277 1290	1297 1317	440 520				
Gold alum 621 1½ Bi- 27 grm Rhm 3 Lmin 21K 6 gr di 4 39 grm 7500 Pzvalemeter R, 7517		6038 6039	1497 1447	1643 1640	1733 1693	1150 1153	1663 1693	1793 1840	1100 927	
Req 1529	7415 7350	6040 6041	1200 1200	1287 1317	1293 1327	453 467				
Req 1531	7345 7309	6042 6043	1207 1190	1263 1277	1283 1287	420 427				
Req 1532	7345 7299	6044 6045	1213 1193	1323 1267	1353 1298	383 407				
Req 1533	7340 7312	6046 6047	1200 1200	1307 1267	1313 1247	470 513				
Req 1534		6048 6049	1233 1217	1337 1308	1347 1323	393 403				

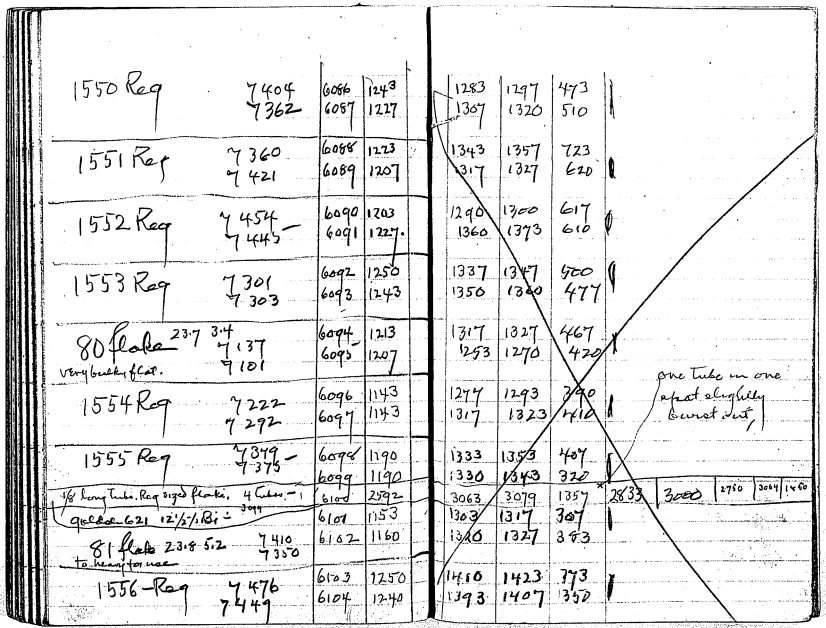
6038	1600	1700	1050
6039	1543	1840	907

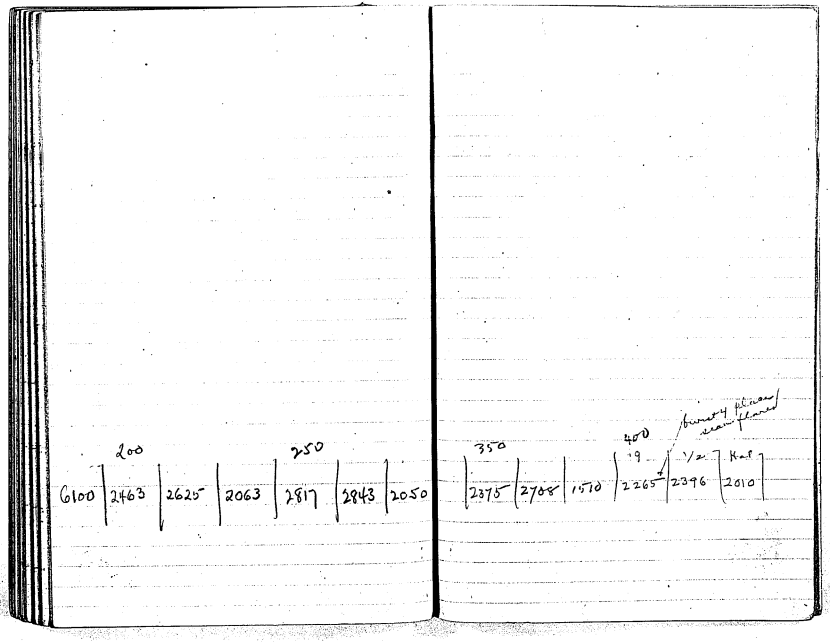
1535 Reg	7370 7370	6050 6051	1253 1243
1536 Reg	7306 7277	6052 6053	1230 1210
1537	7314 7284	6054 6055	1243 1247
77 flake · 241 4.4 263D Anita Zavaleta County	7255 7280	6056 6057	1200 1210
1538 Reg	7454 7476	6058 6059	1227 1227
1539 - Reg	7345 7300	6060 6061	1250 1253
1541 Reg	7362 7327	6062 6063	1243 1233
1542 Reg	7443 7440	6064 6065	1213 1200
Lot 78 flake 241 4.6 262D Zavaleta County	7440 7409	6066 6067	1150 1117

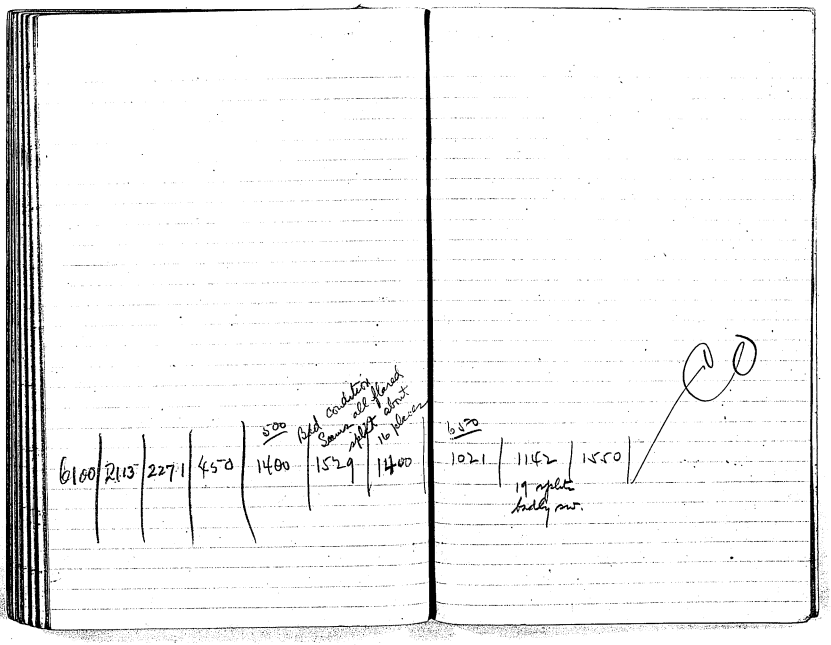
1343	1357	440
1330	1343	457
1327	1343	457
1317	1337	433
1300	1330	457
1290	1307	417
1297	1307	430
1330	1343	400
1303	1317	383
1327	1340	400
1316	1323	367
1330	1347	380
1307	1320	317
1317	1327	300
1300	1313	303
1298	1307	320
1253	1263	373
1250	1263	417

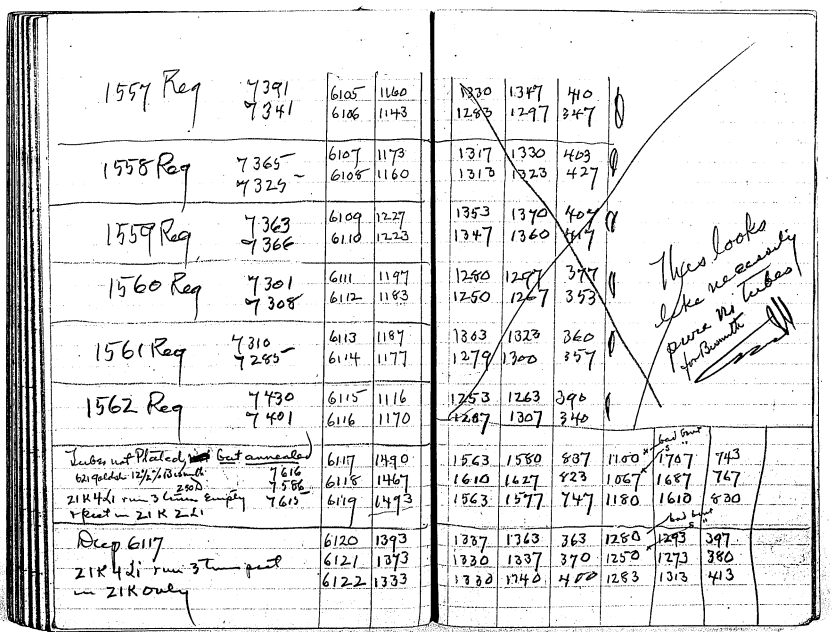
1540 Req	7264	6068	1217
	7291	6069	1210
1543 Req	7332	6070	1137
	7334	6071	1141
Req 1544	7458	6072	1230
	7534	6073	1250
1545 Req	7373	6074	1233
	7363	6075	1247
1547 - Req	7435	6076	1250
	7385	6077	1243
79 Leaks	7401	6078	1193
241 43	7414	6079	1193
1546 Req	7284	6080	1208
	7283	6081	1200
1548 Req	7317	6082	1233
	7337	6083	1227
1549 Req	7237	6084	1227
	7283	6085	1227

1280	1290	493	W
1280	1290	480	
1267	1283	530	W
1287	1297	500	
1273	1290	497	W
1323	1333	473	
1340	1353	433	W
1333	1350	437	
1333	1357	437	W
1333	1353	440	
1320	1330	440	W
1320	1330	443	
1307	1323	447	W
1300	1317	450	
1327	1333	457	W
1333	1347	463	
1320	1330	487	W
1320	1330	497	


1550 Req
7404
7362
6086 1243
6087 1227
1283 1297 473
1367 1320 510
1551 Req
7360
7421
6088 1223
6089 1207
1343 1357 723
1317 1327 620
1552 Req
7454
7445
6090 1203
6091 1227
1290 1300 617
1360 1373 610
1553 Req
7301
7303
6092 1250
6093 1243
1337 1347 600
1350 1360 477
80 flake 23.7 3.4
7137
7101
very bendy flat.
6094 1213
6095 1207
1317 1327 467
1253 1270 420
1554 Req
7222
7292
6096 1143
6097 1143
1277 1293 740
1317 1323 410
one tube on one
about slightly
burst out
1555 Req
7379
7375
6098 1190
6099 1190
1333 1353 407
1330 1343 322
1/8 long Tube. Req 2 sized flakes. 4 tubes - 1
Gelcon 621 12½:½:Bi ÷ 3099
6100 2592
6101 1153
3063 3079 1357
1303 1317 307
2833
3000
2750
3064
1400
81 flake 2.3 : 8 5.2
7410
7350
to hemisphere
6102 1160
1340 1327 383
1556 Req
7476
7449
6103 1250
6104 1240
1418 1423 773
1393 1407 350


200
250
350
400
19
Burned 4 times/ seam planned
1/2
Kal
6100
2463
2625
2063
2817
2843
2050
2375
2708
1570
2265
2396
2010


500
Red condition
Semen all blood
spots about
16 places
6160 2113 2271 4550 1400 1529 1400
6170
1021 1142 1550
19 spots
badly mv.



1557 Req — 7391, 7341 — 6105, 6106 — 1160, 1143 — 1330, 1285 — 1347, 1297 — 40, 347
1558 Req — 7365, 7329 — 6107, 6108 — 1173, 1160 — 1317, 1313 — 1330, 1323 — 403, 427
1559 Req — 7363, 7366 — 6109, 6110 — 1227, 1223 — 1353, 1347 — 1370, 1360 — 407, 417
1560 Req — 7301, 7308 — 6111, 6112 — 1197, 1183 — 1280, 1250 — 1297, 1267 — 377, 353
1561 Req — 7310, 7285 — 6113, 6114 — 1187, 1177 — 1363, 1279 — 1323, 1300 — 360, 357
1562 Req — 7430, 7401 — 6115, 6116 — 1116, 1170 — 1253, 1287 — 1263, 1307 — 396, 340
Tubes not Plated by Gat annealed — 6117, 6118 — 1490, 1467 — 1563, 1610 — 1580, 1627 — 887, 823 — 1100, 1067 — 1707, 1687 — 743, 747
621 yields 12½% Bismuth — 7616, 7586
21K4Li run 3 times 250D empty — 7615 — 6119 — 1493 — 1563 — 1577 — 747 — 1180 — 1610 — 820
Heat — 21K2Li
Deep 6117 — 6120, 6121, 6122 — 1393, 1373, 1333 — 1337, 1330, 1330 — 1363, 1337, 1340 — 363, 370, 400 — 1280, 1250, 1283 — 1293, 1273, 1313 — 397, 380, 413
21K4Li run 3 times past in 21K only
This looks like we easily pure W tubes for Bismuth

					Run 3 more c. obs	
6117	683	1467	767	667	1513	
6118	640	1380	670	647	1507	
6119	567	1520	663	493	1600	
				2nd		
6120	1263	1270	380	807	817	
6121	1240	1250	393	1063	1077	
6122	1260	1277	443	1070	1090	

After reversing went to

19 -	½
833	1610
410	1357
359	1177 —

Put — Key ½ —

1 Run	2nd
877	373
697	343
657	240

Irons OK IV 2380 ½ 3635

Phenomenon

Seems to show that only pure nickel tubes trough can be used after Burnett —

Grids as usual —